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Substitute for form 1449A/PTO

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	4	Application Number	10/810,949
				Filing Date	March 25, 2003
				First Named Inventor	Wilson
				Group Art Unit	To Be Assigned
				Examiner Name	To Be Assigned
				Attorney Docket Number	45385.00002 CON

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	AA	5,311,876		Olsen, et al.	05-1994	
	AB	6,442,421		Le Van Quyen, et al.	08-2002	
	AC	6,337,997		Rise	01-08-2002	
	AD	6,594,524		Esteller, et al.	07-2003	
	AE	6,658,287		Litt, et al.	12-2003	

FOREIGN PATENT DOCUMENTS

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	AF	AKAY, M., "Detection and Estimation Methods for Biomedical Signals," <i>San Diego: Academic Press</i> xiv(268) 186-191 (1996).		
	AG	AKAY, M., "Time Frequency and Wavelets in Biomedical Signal Processing," <i>IEEE Press</i> xxviii(739) 398-399 (1998).		
	AH	BLANCO, S., et al., "Applying Time-Frequency Analysis to Seizure EEG Activity," <i>IEEE Eng. Med. Biol. Mag.</i> 16(1):64-71 (1997).		
	AI	BODENSTEIN, G. et al., "Computerized EEG Pattern Classification by Adaptive Segmentation and Probability-Density-Function Classification. Description of Method" <i>Comput. Biol. Med.</i> 15(5):297-312 (1985).		

Examiner Signature	/Christian Jang/	Date Considered	10/23/2008
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		Attorney Docket Number	45358.00002.CON

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	AJ	BULLMORE, E., et al., "A New Technique for Fractal Analysis Applied to Human, Intracerebrally Recorded, Ictal Electroencephalographic Signals," <i>Neurosci Lett.</i> 146(2): 227-230 (1992).	
	AK	FRANASZCZUK, P.J., "Time-Frequency Analysis Using the Matching Pursuit Algorithm Applied to Seizures Originating From the Mesial Temporal Lobe," <i>Electroencephalogr. Clin. Neurophysiol.</i> 106(6):513-521 (1998).	
	AL	GABOR, A. J., "Seizure Detection Using A Self-Organizing Neural Network: Validation and Comparison With Other Detection Strategies," <i>Electroencephalogr. Clin. Neurophysiol.</i> 107(1):27-32 (1998).	
	AM	GABOR, A. J., et al., "Automated Seizure Detection Using A Self-Organizing Neural Network," <i>Electroencephalogr. Clin. Neurophysiol.</i> 99(5):257-260 (1996).	
	AN	GEVA, A.B., et al., "Forecasting Generalized Epileptic Seizures from the EEG Signal by Wavelet Analysis and Dynamic Unsupervised Fuzzy Clustering," <i>IEEE Trans. Biomed. Eng.</i> 40(10):1205-1216 (1998).	
	AO	GEVA, A.B., "Feature Extraction and State Identification in Biomedical Signals Using Hierarchical Fuzzy Clustering," <i>Med. Biol. Eng. Comput.</i> 36(5):608-614 (1998).	
	AP	GOTMAN, J., et al., "Automatic Recognition and Qualification of Interictal Epileptic Activity in the Human Scalp EEG," <i>Electroencephalogr. Clin. Neurophysiol.</i> 41(5):513-529 (1976).	
	AQ	GOTMAN, J., et al., "Automatic Recognition of Epileptic Seizures in the EEG," <i>Electroencephalogr. Clin. Neurophysiol.</i> 54:530-450 (1982).	
	AR	HILFIKER, P., et al., "Detection and Evolution of Rhythmic Components in Ictal EEG Using Short Segment Spectra and Discriminant Analysis," <i>Electroencephalogr. Clin. Neurophysiol.</i> 82(4):225-265 (1992).	
	AS	HOFFMANN, W.G., et al., "Unsupervised Classification of EEG From Subdural Seizure Recordings," <i>Brain Topogr.</i> 10(2):121-132 (1997).	

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	AT	JAIN, A.K., et al., "Algorithms for Clustering Data," xiv (320) 54-59 (1998).	
	AU	JING, H., et al., "Comparison of Human Ictal, Interictal and Normal Non-linear Component Analyses," <i>Clin. Neurophysiol.</i> 111(7):1282-1292 (2000).	
	AV	KLATCHKO, A., et al., "Enhancing the Detection of Seizures with a Clustering Algorithm," <i>Electroencephalogr Clin. Neurophysiol.</i> 106(1):52-63 (1998).	
	AW	KOMZAK, J., "Hierarchical Clustering Speed Up Using Position Lists and Data Position Hierarchy," http://www.kmi.open.ac.uk/papers/kmi-tr-115.pdf (2001).	
	AX	LIU, A., et al., "Detection of Neonatal Seizures Through Computerized EEG Analysis," <i>Electroencephalogr Clin. Neurophysiol.</i> 82(1):30-37 (1992).	
	AY	MALLAT, S.G., "A Wavelet Tour of Signal Processing," xxiv (637) 420-423 (1999).	
	AZ	OSORIO, I., et al., "Real-time Automated Detection and Quantitative Analysis of Seizures and Short-Term Prediction of Clinical Onset," <i>Epilepsia</i> 39(6):615-627 (1998).	
	BA	PARK, H.S., "Detection of Epileptiform Activities in the EEG Using Neural Network and Expert System," <i>Medinfo.</i> 9(2):1255-1259 (1998).	
	BB	PENCZEK, P., et al., "Computer-aided Analysis of the Epileptic EEG," <i>Acta. Physiol. Pol.</i> 37(6):262-274 (1986).	
	BC	QU, H., et al., "A Patient-Specific Algorithm for the Detection of Seizure Onset in Long-Term EEG Monitoring: Possible Use as a Warning Device," <i>IEEE Trans Biomed. Eng.</i> 44(2):155-122 (1997).	

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